



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 5
77 WEST JACKSON BOULEVARD
CHICAGO, IL 60604-3590

REPLY TO THE ATTENTION OF:

JAN 15 2016

CERTIFIED MAIL 7009 1680 0000 7648 7030
RETURN RECEIPT REQUESTED

Mr. Jacob Rupert
EHS Manager
ADAC Automotive
2050 Port City Boulevard
Muskegon, Michigan 49442

Re: Notice of Violation
Compliance Evaluation Inspection
MIR000046508

Dear Mr. Rupert:

On June 24, 2015, representatives of the U.S. Environmental Protection Agency and Michigan Department of Environmental Quality inspected the ADAC Automotive facility located in Muskegon, Michigan. As a large quantity generator of hazardous waste, ADAC Automotive is subject to the Resource Conservation and Recovery Act, 42 U.S.C. § 6901 *et seq.* (RCRA). The purpose of the inspection was to evaluate ADAC Automotive's compliance with certain provisions of RCRA and its implementing regulations related to the generation, treatment and storage of hazardous waste. A copy of the inspection report is enclosed for your reference.

Based on information provided by ADAC Automotive, EPA's review of records pertaining to ADAC Automotive, and the inspector's observations, EPA has determined that ADAC Automotive has unlawfully stored hazardous waste without a license or interim status as a result of ADAC Automotive's failure to comply with certain conditions for a license exemption under Mich. Admin. Code. r. 299.9306(1)-(3) [40 C.F.R. § 262.34(a)-(c)]. EPA has identified the license exemption conditions with which ADAC Automotive was out of compliance at the time of the inspection in paragraph 1, below.

Many of the conditions for a RCRA license exemption are also independent requirements that apply to licensed and interim status hazardous waste management facilities that treat, store, or dispose of hazardous waste (TSD requirements). When a hazardous waste generator loses its license exemption due to a failure to comply with an exemption condition incorporated from Mich. Admin. Code. r. 299.9601(1)-(3) and 299.11003(1)(p) and (q), the generator: (a) becomes an operator of a hazardous waste storage facility; and (b) simultaneously violates the

corresponding TSD requirement. The exemption conditions identified in paragraphs 2-3 are also independent TSD requirements incorporated from Mich. Admin. Code. r. 299.9601(1)-(3) and 299.11003(1)(p) and (q). Accordingly, each failure of ADAC Automotive to comply with these conditions is also a violation of the corresponding requirement in Mich. Admin. Code. r. 299.9601(1) and (2) and 299.11003(1)(m) – (o) [40 C.F.R. Part 264].

Finally, EPA has determined that ADAC Automotive violated RCRA requirements related to recordkeeping and reporting, and universal waste, as described in paragraphs 4-5, below.

STORAGE OF HAZARDOUS WASTE WITHOUT A LICENSE OR INTERIM STATUS AND VIOLATIONS OF TSD REQUIREMENTS

At the time of the inspection, ADAC Automotive was out of compliance with the following large quantity generator license exemption conditions:

1. Satellite Hazardous Waste Container Labeling

Under Mich. Admin. Code. r. 299.9306(2) [40 C.F.R. § 262.34(a)(3)], a large quantity generator must label or clearly mark each satellite container holding hazardous waste with the words “Hazardous Waste.” In the State of Michigan, it is further required under Mich. Admin. Code. r. 299.9306(2) that satellite containers used to accumulate hazardous waste must also be labeled or marked with the hazardous waste number (code) of the waste or chemical name.

At the time of the inspection, one 15-gallon container used to accumulate aerosol hazardous waste in the Keating ADAC’s universal waste accumulation area was not labeled with the words “hazardous waste” and labeled or marked with the hazardous waste number (code) of the waste or chemical name.

At the time of the inspection, 8-gallon paint purge pots used to accumulate paint and solvent hazardous waste in the Keating ADAC’s K2 paint line booths were not labeled with the words “hazardous waste” and labeled or marked with the hazardous waste number (code) of the waste or chemical name.

The license exemption conditions identified below in paragraphs 2-3 are also independent TSD requirements violated by ADAC Automotive:

2. Content of the Contingency Plan

Under Mich. Admin. Code. r. 299.9306(1)(d); 40 C.F.R. 265 Subpart D [40 C.F.R. §§ 262.34(a)(4) and 265.52(d)], a large quantity generator must list facility’s current

emergency coordinators and include their home addresses and phone numbers in the contingency plan dated 08/13/2014.

At the time of the inspection, ADAC Automotive did not list facility's current emergency coordinators and include their home addresses and phone numbers in the contingency plan.

3. Records of Weekly Inspections

Under Mich. Admin. Code. r. 299.9306(1)(a)(i), 40 CFR § 265.173(a) [40 C.F.R. §§ 262.34(a)(1)(i) and 265.173(a)], a large quantity generator must keep records of weekly of inspections of its 90-day hazardous waste container accumulation areas.

At the time of the inspection, ADAC Automotive did not keep records of weekly inspections documenting inspections of its solid ignitable (D001) hazardous waste accumulation area located in the paint receiving area near door 17S.

By failing to comply with the conditions for a license exemption, above, ADAC Automotive became an operator of a hazardous waste storage facility, and was required to obtain an Michigan hazardous waste storage license. ADAC Automotive failed to apply for such a license. ADAC Automotive's failure to apply for and obtain a hazardous waste storage license violated the requirements of Mich. Admin. Code. r. 299.9502(1), 299.9508 and 299.9510 [40 C.F.R. §§ 270.1(c), and 270.10(a) and (d)]. Any failure to comply with a license exemption condition incorporated from Mich. Admin. Code. r. 299.9601(1)-(3) and 299.11003(1)(p) and (q) is also an independent violation of the corresponding TSD requirement.

OTHER VIOLATIONS

ADAC Automotive violated the following generator requirements:

4. Hazardous Waste Manifest Recordkeeping

Under Mich. Admin. Code. r. 299.9307(3) [40 C.F.R. § 262.40(a)], a large quantity generator that ships hazardous waste off-site using hazardous waste manifest to a treatment, storage or disposal facility (TSD) must keep a TSD facility signed copy of the hazardous waste manifest for three years from the date the waste was accepted by the initial transporter.

At the time of the inspection, review of the ADAC Automotive's 2015 hazardous waste manifest records revealed that ADAC Automotive was missing many TSD facility signed copies of hazardous waste manifest for off-site shipments conducted from the facility in June, May and April of 2015.

5. Universal Waste Requirement

Under Mich. Admin. Code. r. 299.9228(4)(c)(ii), a small quantity handler of universal waste must keep the packaging or container accumulating used lamps closed.

ADAC Automotive is a small quantity handler of universal waste because it accumulates less than 5,000 kilograms of universal waste at any time.

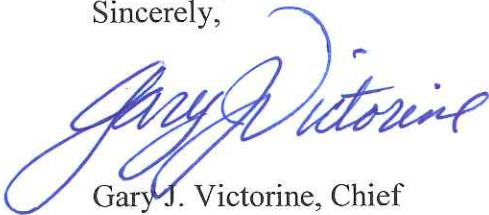
At the time of the inspection, ADAC Automotive's container of used lamps located in the ADAC Keating facility universal waste collection area was not closed.

At this time, EPA is not requiring ADAC Automotive to apply for a Michigan hazardous waste storage license so long as it immediately establishes compliance with the conditions for a license exemption outlined in paragraphs 1-3, above.

According to Section 3008(a) of RCRA, EPA may issue an order assessing a civil penalty for any past or current violation, requiring compliance immediately or within a specified time period, or both. Although this letter is not such an order or a request for information under Section 3007 of RCRA, 42 U.S.C. § 6927, we request that you submit a response in writing to us no later than 30 days after receipt of this letter documenting the actions, if any, which you have taken since the inspection to establish compliance with the above conditions and records keeping, universal waste, waste determination, and universal waste requirements. You should submit your response to Derrick Samaranski, U.S. EPA, Region 5, 77 West Jackson Boulevard, LR-8J, Chicago, Illinois 60604." "

If you have any questions regarding this letter, please contact Mr. Samaranski, of my staff, at 312-886-7812 or at Samaranski.Derrick@epa.gov.

Sincerely,



Gary J. Victorine, Chief
RCRA Branch

Enclosure

cc: Wade O' Boyle, MDEQ (obylew@michigan.gov)
John Craig (craigj@michigan.gov)
Lonnie Lee (leel@michigan.gov)
Feighner, Bryce (DEQ) <FEIGHNERB@michigan.gov>

UNITED ENVIRONMENTAL PROTECTION AGENCY
REGION 5, LCD, RCRA BRANCH, LR-8J
77 W. JACKSON BOULEVARD
CHICAGO, IL 60604

RCRA COMPLIANCE EVALUATION INSPECTION REPORT

SITE NAME: Adac Automotive
EPA ID No.: MIR000046508
ADDRESS: 1801 East Keating Ave.
Muskegon, Michigan 49442
DATE OF INSPECTION: June 24, 2015
EPA INSPECTOR: Derrick Samaranski, LCD, RCRA, CS2

PREPARED BY:

Derrick Samaranski
Derrick Samaranski
Compliance Section 2

08/07/15
Date Completed

APPROVED BY:

Julie Morris
Julie Morris, Chief
Compliance Section 2

8/7/15
Date

Purpose of Inspection

This inspection was an evaluation of ADAC Automotive's (ADAC) compliance with hazardous waste, used oil, and universal waste regulations found at Michigan Administrative Code (MAC) and the Code of Federal Regulations (CFR). The inspection was an EPA lead RCRA Compliance Evaluation Inspection (CEI). The site notified as a large quantity generator of hazardous waste.

Participants

Derrick Samaranski, U.S. EPA

Site Representatives:

Jake Rupert, Environmental Health & Safety Manager
Jessica Perez, Environmental Health & Safety Coordinator
Alex Lorenz, Manufacturing Director
Jesse Kalman, Paint Production Manager

Introduction

I arrived at the location of ADAC Keating Ave. facility at 12:03 PM, and called Mr. Rupert and informed him that I was visiting ADAC Automotive to conduct a hazardous waste compliance inspection. Mr. Rupert arrived in the reception area shortly after my arrival. I presented my official credentials, gave Mr. Rupert my business card, and explained the purpose of my visit.

During the opening conference with Mr. Rupert I asked for a description of ADAC's operations, and listing of solid and hazardous waste streams generated by the facility.

I informed Mr. Rupert that ADAC could claim any information gathered during the inspection as Confidential Business information including: verbal information, documents and photographs. Mr. Rupert did not make a CBI claim on the information gathered during the inspection.

Site Description

The following information about ADAC is based on the personal observations of the U.S. EPA inspector and on representations made during the Inspection by the Facility personnel identified above or within the text or otherwise specified.

ADAC Plastics is Tier 1 OEM facility which manufactures exterior door handles, side mirrors, and rear access trim for the passenger automotive industry. The facility began operations at its

current location in 1999-2000 and expanded over the years by adding larger painting area, and warehouse. There are currently eight ADAC facilities in the U.S. with the company headquarters located in Grand Rapids, Michigan. ADAC Keating Ave. facility occupies approximately 250,000 ft² of area, and employs 530 employees in up to three shifts five days per week. ADAC is privately owned, and at the time of the inspection operated as a large quantity generator of hazardous waste.

ADAC Automotive utilizes plastic pellets, solvents, paints, tints, colorants, semi-finished and finished components from other manufactures as the raw materials in their manufacturing process. Raw materials are trucked into the facility and are stored in the designated storage areas. Plastic resins are stored in totes which deliver the plastic resins by piping to the intermediate feed tanks near the molding presses. Paints, solvents, and other chemicals are stored in paint storage room in containers that vary in size from several gallons to totes. ADAC offers hundred of different colors for its products. Most of the materials arriving at the facility are stored in 55-gallon drums. Miscellaneous materials at the facility include: hydraulic fluid, aerosols, pre-treatment chemicals, oil, and wastewater treatment chemicals.

Injection molding of products at ADAC takes place in the back of the facility. ADAC operates twenty molding presses which vary in size from 300 to 750 ton machines. Manufactured parts are cooled in boxes before being moved to other areas of the facility to be painted or assembled with other components.

Painting operations of manufactured products at ADAC takes place in newly constructed (2012) dedicated automated paint line K2. ADAC K2 line includes: one primer application booth, two cure ovens, two base color booths, one tri-coat, and two clear coat booths. Prior to coating each manufacturing piece, is run through a five stage wash cycle that uses plastic soap cleaner, and water rinses which include reverse osmosis (RO) filtered water. The RO water is generated from an on-site RO unit which is serviced by an outside contractor. After being coated the manufactured parts are directed to the assembly areas of the facility where additional components are assembled into the final products (door handles). ADAC operates twenty to twenty five assembly work cells dedicated to part production. The final step of the manufacturing process at ADAC involves inspection and packaging of the finished assembled products.

Manufacturing operations at ADAC generate purge waste from K2 paint line, maintenance and cleaning of the coating equipment, waste rags from cleaning operations, and waste paint/solvent from paint mixing operations. Additional wastes are generated from the maintenance work and wastewater treatment operations and include: paint sludge, used oil and absorbent mix, spent aerosol products, expired and unused paint products, used batteries, used lamps, old electronic equipment, and mercury waste. Hazardous wastes at ADAC are managed in satellite areas, and accumulated in 90-day hazardous waste container storage area. Majority of the facility's hazardous waste come from the coating operations which use various solvents in the paint formulations and purge solvent mixture which is used in the cleaning and maintenance of the painting equipment and piping. Some of the typical mixing solvents used by ADAC are methyl

ethyl ketone, acetone, MBA, PAA, IBA, and EA. Additional hazardous wastes are generated from the maintenance and cleaning operations which generate waste rags and aerosol waste.

ADAC used process knowledge, analytical testing, and Material Data Safety Sheets (MSDS) to conduct waste determinations of its hazardous waste streams. Table 1 lists ADAC's most frequently generated wastes streams and their approximate generation rates:

Waste Type	Potential Hazardous Constituent/Characteristic	EPA Waste Code	Generation Rate
Purge Waste	Ignitability, MEK	F005, F003, D001, D035	17,387 gal/month
PPE Solids	Ignitability	D001	1055 lbs /month

Table 1: Wastes Generated at ADAC

Site Tour

The site walk-through of the ADAC Keating Ave. facility started at 2:30 PM, and began with a visit to the K2 paint line area. First, we looked at the five stage pre-treatment portion of the paint line which generates waste filters that are drained and disposed in the trash as non-hazardous. Second stage of the pre-treatment uses a Permatreat 328NM acid cleaner. The pre-treatment system also uses Aqua seal S10LF which is added to the final RO rinse. Wastewaters generated from the rinse stages of the pre-treatment system area directed to the wastewater treatment for processing.

Next, we continued the tour of the K2 paint line by observing the dedicated base, tri-coat, clear, and top coat booths. Each paint booth robot arm is provided with an 8-gallon purge pot which is equipped with a float to control discharges to a hazardous waste container in the paint kitchen. The observed purge pots were equipped with a closure mechanism that would allow the paint robot to purge and would close afterward. None of the observed purge pots were labeled as hazardous waste. The paint booths were equipped with ceiling air filters and side wall water curtains to capture over spray from the coating operations. Used booth ceiling air filters are thrown out into a dedicated roll-off box which is located outdoors at the Port City Ave. ADAC facility across the street from Keating Ave. site. Wastewater from the coating booths is treated in a wastewater unit by chemical precipitation and filtering which produces non-hazardous paint sludge waste. Every six months 20 to 30,000 gallons contents of the wastewater unit are offered by tanker truck for disposal to Allied Waste as non-hazardous waste stream.

From the K2 paint line area, we visited ADAC's paint kitchen where the facility dispenses coatings to the K2 line and collects purge waste. During our visit to the paint kitchen, I observed a 55-gallon satellite drum which was used for the accumulation of spent solvents generated from the maintenance operations conducted in the paint kitchen. The satellite drum was labeled as hazardous waste (F005, F003, D001, and D035) and was closed. Nearby the solvent satellite

accumulation area, I observed a 330-gallon tote which was identified as a 90-day K2 paint line purge waste accumulation container. The purge container was labeled as "Hazardous Waste," was closed and had an accumulation start date of 06/18/2015. An empty 55-gallon hazardous waste labeled drum was located next to the purge tote and was identified as an overfill drum. A second 55-gallon drum in the paint kitchen was identified as satellite accumulation drum used for collection of F005 solid wastes (closed and labeled as hazardous waste). In an adjacent room ADAC stores coating samples which are disposed every other month as hazardous waste. The site walk-through of the paint line operations ended with a visit to the ADAC's 90-day storage area where I observed accumulation of F003 waste flammable liquids, waste paint, and D001 solids. All of the observed containers were closed, labeled as hazardous waste and dated with accumulation start dates. The 90-day storage area was located in the paint storage portion of the facility next to the paint kitchen.

Next, we visited ADAC's molding department, warehouse, outdoor no discharge storm water surface impoundment, molding overflow storage (former K1 paint line), outdoor plastic resin silo, assembly areas, and universal waste accumulation area. Waste plastic from the molding department is collected and offered for off-site recycling. Molding presses generate used oil which is recycled off-site and accumulated on-site in drums. An area under stairs of the west end of the molding department serves as the facility's universal waste collection area. At the time of our visit, I observed accumulation of various used lamps in a container with labeled compartments. The universal waste lamp container was not closed as it was missing a top cover. Used universal waste batteries were accumulated in 5-gallon closed and labeled buckets next to the used lamps. In addition to the universal waste I also observed two 10-gallon containers one of which was labeled as "Hazardous Waste" and D001 waste code. The other 10-gallon container was not labeled. Both were accumulating aerosol wastes. The aerosol waste containers were identified as being satellite accumulation containers. In the assembly department employees use small amounts of alcohol and wipe clean assembled parts. Afterward, used wipes are trashed. During our visit to the molding overflow storage area, I observed accumulation of used oil in a drum that was labeled as "Used Oil." Site walk-through of the ADAC Keating Ave. facility ended at 4:30 PM.

Records Review 06/25/2015

The records review of the ADAC Keating Ave. facility was conducted concurrently with records review of the ADAC Port City Blvd. facility on 06/25/2015.

For the records review at ADAC I requested to see: manifest records for the last three years of operation (2015- 2012), waste analysis determinations for waste streams generated at the facility, employee training records, Land Disposal Restriction (LDR) forms, last two biennial hazardous waste reports, contingency plan, weekly inspections of the hazardous waste storage area, used oil and universal waste shipment documents.

First, I reviewed the hazardous waste manifests for off-site shipments of wastes covering period from June 2015 to January 2015 in detail and sampled 2014 and 2013 hazardous waste manifest

records. On average ADAC Keating facility makes ten off-site shipments of hazardous wastes per month. Review of the manifest records revealed that ADAC is missing Treatment Storage Disposal facility signed copies of the hazardous waste manifests. According to the facility representatives the missing copies might be kept by the accounting department.

Next, I reviewed the facility's employee training records for employees with hazardous waste management responsibilities. I reviewed training records of three employees: Michael Gilford, James Pole, Michael Rearic, and Heather Seifers. Mr. Rearic is no longer with the ADAC, but has received training in 2013 and 2012. No job description, title and job responsibilities for ADAC employees managing hazardous waste were available for review at the time of our visit. After reviewing ADAC's employee training records I reviewed the facility's waste profiles of hazardous waste streams which included purge solvent and PPE/debris waste streams. I also reviewed waste determination records for the spent paint filters which were tested on 09/03/2013 and determined to be non-hazardous, and paint sludge profile which characterized the waste as non-hazardous. LDRs for the hazardous waste streams were attached to the hazardous waste manifests.

Next, I reviewed ADAC's 2011 and 2013 Biannual Hazardous Waste Reports which were submitted to MDEQ on 02/22/2012 and 02/26/2014, respectively. In 2013 report ADAC reported generating 208,640 gallons of hazardous waste purge solvent and 12,669 pounds of solid hazardous waste.

Following the review of the Biannual Reports, I reviewed ADAC's contingency plan, weekly inspection records of the 90-day storage areas, universal waste and used oil shipment documents. No issues of concern were noted from the review of the weekly inspection logs which demonstrated that ADAC conducts inspections on a weekly basis. The contingency plan which was dated 08/13/2014 needs to be updated with the new environmental coordinator contact information and needs to include home addresses and home telephone numbers of the facility's emergency coordinators. Used oil generated at the facility is offered to Heritage Crystal Clean for recycling and universal wastes are sent to Valley City Environmental Services at least once a year.

Closing Conference

For the inspection close-out conference I discussed the missing items from the facility's contingency plan (home addresses and telephones of the emergency coordinators), contingency plan contact updates, universal waste container closure requirements, manifest records keeping, and employee training requirements. I also requested that records not available at the time of the inspection be submitted to me after the inspection. I gave the facility representative Small Business Resource Sheet and Michigan's Retired Engineer Technical Assistance Program (RETAP) handout. The inspection of the facility ended at 4:30 PM.

Attachments

- A. Photographs
- B. Checklists
- C. List of Documents Copied/Obtained During Inspection

ATTACHMENT A
Photographs

ADAC Automotive
MIR000046508

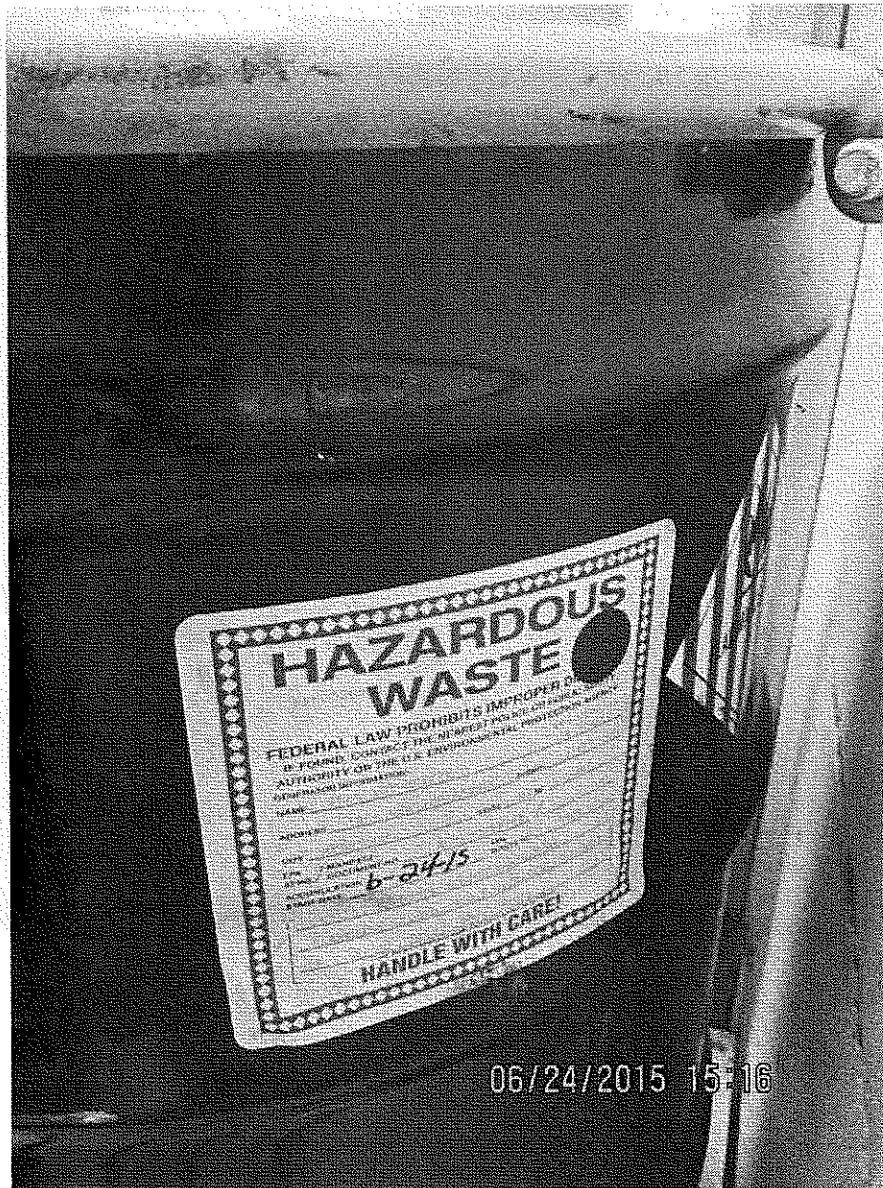


Photograph Number: 1

Photographer: Derrick Samaranski

Photograph Description: Container of solid hazardous waste PPE staged for shipment in the paint receiving dock.

ADAC Automotive
MIR000046508

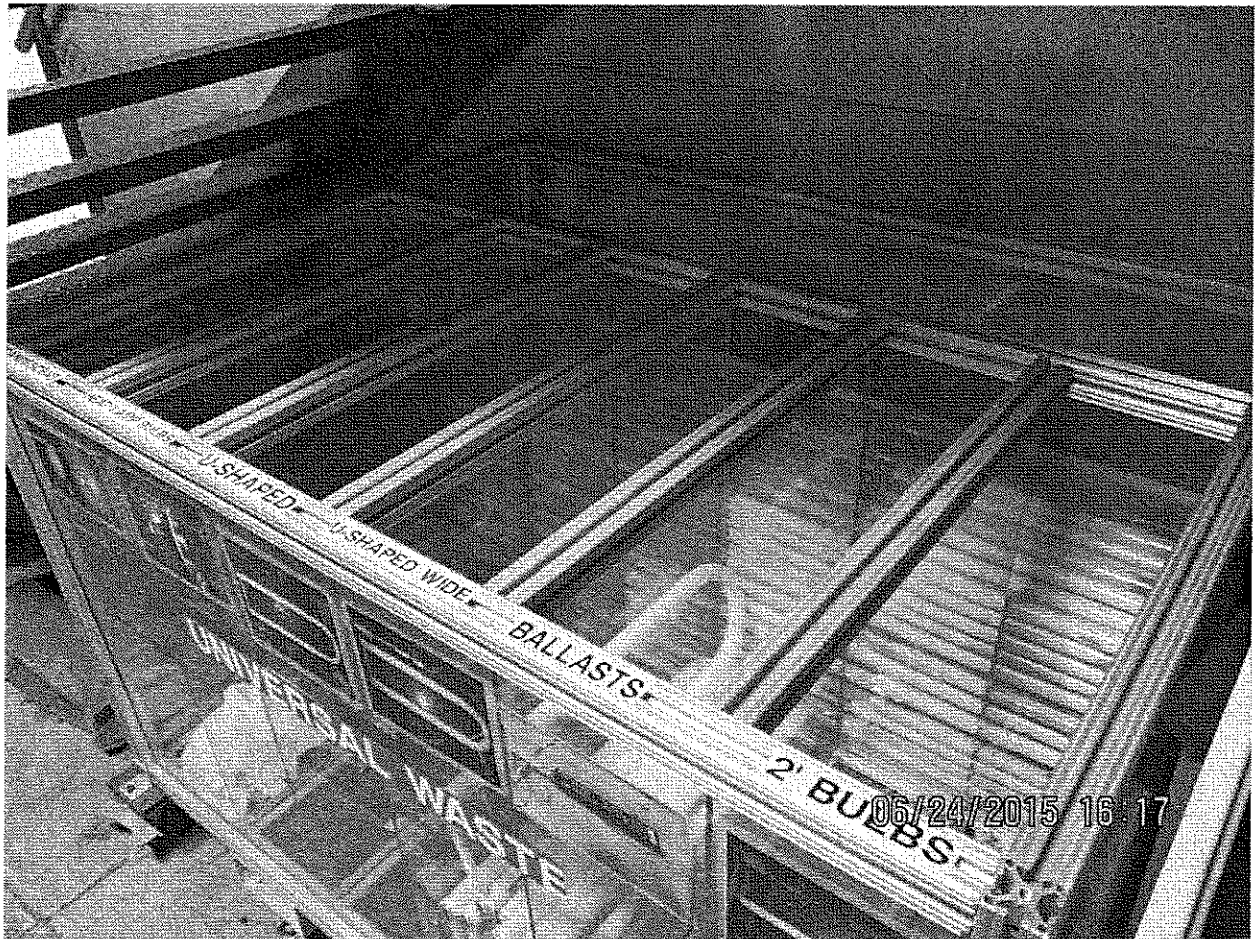


Photograph Number: 2

Photographer: Derrick Samaranski

Photograph Description: Close-up of the label on the container pictured in photo#1.

ADAC Automotive
MIR000046508

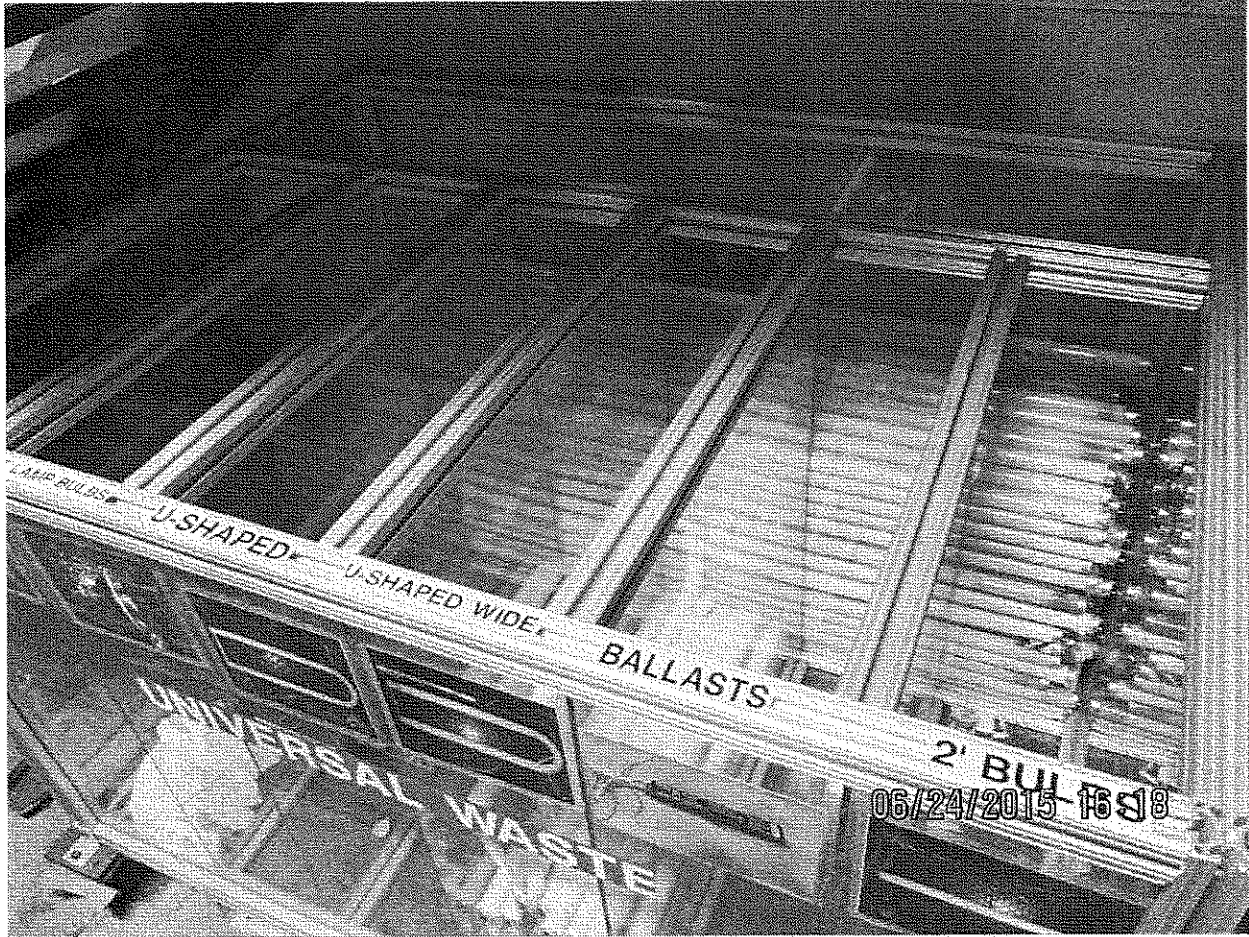


Photograph Number: 3

Photographer: Derrick Samaranski

Photograph Description: ADAC universal waste lamp accumulation container missing top cover.

ADAC Automotive
MIR000046508



Photograph Number: 4

Photographer: Derrick Samaranski

Photograph Description: Additional view of the used lamps container pictured in photo #2.

ADAC Automotive
MIR000046508



Photograph Number: 5

Photographer: Derrick Samaranski

Photograph Description: ADAC's universal waste battery containers.

ADAC Automotive
MIR000046508



Photograph Number: 6

Photographer: Derrick Samaranski

Photograph Description: Two containers accumulating waste aerosol wastes in ADAC's universal waste storage area.



Photograph Number: 7

Photographer: Derrick Samaranski

Photograph Description: Photo showing contents of the unlabeled waste aerosol container pictured in photo #6.

ATTACHMENT C
Documents Copied

Document	Date
Facility Layout Diagram	06/24/2015

**Department of Environmental Quality
FULLY REGULATED GENERATOR (FRG) INSPECTION FORM**

Facility's Name ADAC Automotive Part 3 Rules
Date 06/24/15 ID# MR000046508 1994 PA 451

HAZARDOUS WASTE AND WASTE #	SOURCE	HOW MUCH
Purge Waste	Cooling	17,000 gal/month
PPE Solids	Maintenance	1000 lbs/month

___ abbreviated

FACILITY COMPLIANCE REQUIRED IN ALL AREAS

WASTE DETERMINATION (Rule 302: 40 CFR 262.11)

(NI = Not inspected; N/A = Not applicable)

		YES	NO
1. Determined if waste streams are hazardous waste? (Rule 302: 40 CFR 262.11)	262A	<input checked="" type="checkbox"/>	NI N/A
a) copy of waste evaluation on-site 3 years? (Rule 307(1): 40 CFR 262.40(c))	262D	<input checked="" type="checkbox"/>	NI N/A
b) re-evaluated waste when changes in materials or process? (Rule 302(3))	262A	<input type="checkbox"/>	NI N/A
2. Did generator have written waste analysis plan if treating wastes on-site? (Rule 306(1)(d): 40 CFR 268.7(a)(5))	262C	<input type="checkbox"/>	NI N/A

IDENTIFICATION NUMBER (Rule 303: 40 CFR 262.12)

3. Has the generator obtained an identification number? (Rule 303: 40 CFR 262.12)	262A	<input checked="" type="checkbox"/>	NI N/A
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MANIFEST REQUIREMENTS (Rule 304: 40 CFR 262.20)

4. Copies of the manifest readily available for review & inspection? (Section 11138(1)(f))	FSS	<input checked="" type="checkbox"/>	NI N/A
5. Manifests kept for the past 3 years? (Rule 307(3): 40 CFR 262.20(a))	262D	<input checked="" type="checkbox"/>	NI N/A
6. Manifests, prepared by the generator according to instructions in appendix of Part 262 contain the following:			
a) manifest document number (Rule 304(1)(b): 40 CFR 262.20(a)(i)),	262B	<input checked="" type="checkbox"/>	NI N/A
b) generator's name, address, phone & ID # (Rule 304(1)(b): 40 CFR 262.20(a)(i)),	262B	<input checked="" type="checkbox"/>	NI N/A
c) name & ID # of the transporter. (Rule 304(1)(b): 40 CFR 262.20(a)(i)),	262B	<input checked="" type="checkbox"/>	NI N/A
d) name, address & ID # of TSDF. (Rule 304(1)(b): 40 CFR 262.20(a)(i)),	262B	<input checked="" type="checkbox"/>	NI N/A
e) DOT description of waste(s). (Rule 304(1)(b): 40 CFR 262.20(a)(i)),	262B	<input checked="" type="checkbox"/>	NI N/A
f) quantity of waste, type & # of containers. (Rule 304(1)(b): 40 CFR 262.20(a)(i)),	262B	<input checked="" type="checkbox"/>	NI N/A
g) hazardous waste number of the wastes. (Rule 304(1)(b): 40 CFR 262.20(a)(i)),	262B	<input checked="" type="checkbox"/>	NI N/A
h) generator signature, initial transporter & date of acceptance. (Rule 304(1)(b): 40 CFR 262.20(a)(i)),	262B	<input checked="" type="checkbox"/>	NI N/A
7. NOT APPLICABLE			
8. For out-of-state manifests, if not submitted by designated facility, generator submitted copy of 3 rd signature manifest as requested by Director? (Rule 304(2)(c))	262B	<input type="checkbox"/>	NI N/A
9. Is the transporter used properly registered &/or permitted under Act 138, Sec. 2 (3)? (Rule 304(1)(c))	262B	<input checked="" type="checkbox"/>	NI N/A

NOTE: For shipments of hazardous waste solely by water or rail shipments, within United States see Rule 304(4)(g or h).

10. Using manifest that has expired? (Rule 304(1)(a): 40 CFR 262.20)	262B	<input checked="" type="checkbox"/>	NI N/A
11. Reportable exceptions (Rule 308(3): 40 CFR 262.42)(a).			
a) number of manifests generator HASN'T receive signed copy from TSD w/in 35 days:			
b) number of manifests generator HASN'T submitted exception reports to RA & DEQ after 45 days:			
12. Facility has written program to reduce volume/toxicity/recycle wastes? (Rule 304(1)(b): 40 CFR 262.27(a))	262B	<input checked="" type="checkbox"/>	NI N/A
13. Facility discusses program in place to reduce volume/toxicity/recycle of waste (Rule 304(1)(b): 40 CFR 262.27(a))	262B	<input checked="" type="checkbox"/>	NI N/A

LAND DISPOSAL RESTRICTION REQUIREMENTS
WASTE ANALYSIS AND RECORDKEEPING (Rule 311(1): 40 CFR 268.7))

YES NO

14. Did the generator determine if the waste is restricted from land disposal? (Rule 311(1): 40 CFR 268.7(a)(1))		
a) all listed waste	268A	<input checked="" type="checkbox"/> NI N/A
b) all characteristic wastes?	268A	<input checked="" type="checkbox"/> NI N/A

NOTE: If waste has both listed & characteristic waste codes, the treatment standard for the listed waste is sufficient if the treatment standards for the listed waste includes a standard for the constituent that caused the waste to exhibit the characteristic, except for D001 and D002. (40 CFR 268.9(b))

15. If restricted waste exceeds treatment standards or prohibitions did notice go w/ initial shipment? (Rule 311(1):40 CFR 268.7(a)(2))	268A	<input checked="" type="checkbox"/> NI N/A
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OR

16. If restricted waste does not exceed treatment standards or prohibitions did a notice and certification statement go with initial shipment? (Rule 311(1): (40 CFR 268.7(a)(3))	268A	<input type="checkbox"/> NI N/A
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OR

17. If waste has exemption from prohibition on the type of land disposal method utilized for the waste, did a notice go with initial shipment? (Rule 311(1): 40 CFR 268.7(a)(4))	268A	<input type="checkbox"/> NI N/A
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OR

18. If facility choose alternative treatment standard for lab pack that contains none of the waste in appendix IV, did a notice & certification go with initial shipment? (Rule 311(1): 40 CFR 268.7(a)(9))	268A	<input checked="" type="checkbox"/> NI N/A
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19. Did the notice include: (Rule 311(1): 40 CFR 268.7(a)(1) or 268.7(a)(2) or 268.7(a)(3))

a) EPA hazardous waste #?	268A	<input checked="" type="checkbox"/> NI N/A
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b) if wastewater or non-wastewater as defined in 268.2(d&f)?	268A	<input checked="" type="checkbox"/> NI N/A
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c) subcategory of the waste (such as D003 reactive cyanide) if applicable?	268A	<input checked="" type="checkbox"/> NI N/A
--	------	--

d) manifest number associated with the shipment?	268A	<input checked="" type="checkbox"/> NI N/A
--	------	--

e) waste analysis data, where available?	268A	<input checked="" type="checkbox"/> NI N/A
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f) waste constituents that the treater will monitor, if monitoring will not include all regulated constituents, for F001- F005, F039, D001, D002, D012-D043? (treatment standards for hazardous waste in table in 268.40 for the waste code under regulated constituents)	268A	<input checked="" type="checkbox"/> NI N/A
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UNLESS

g) did generator/treater claim they are going to monitor for ALL regulated constituents in the waste in lieu of the generator indicating same in the notice? (Rule 311(1): 40 CFR 268.7(a)(1) & 268.9)	268A	<input type="checkbox"/> NI N/A
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h) did generator/treater claim they are going to monitor for underlying hazardous waste constituents (except vanadium and zinc), reasonably expected to be present at the generation point, above UTS standards for D001, D002 & TCLP organics? Rule 311(1): 40 CFR 268 Subpart D & 268.48)	268A	<input type="checkbox"/> NI N/A
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20. Other than notices for waste exceeding treatment standards, did notices include: (Rule 311(1): 40 CFR 268.7(2)(3))
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a) if the notice is for shipments that meet the standards does the notice include the certification?	268A	<input type="checkbox"/> NI N/A
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b) if the notice is for shipments under prohibitions does the notice include a statement that the waste isn't prohibited from land disposal & date the waste is subject to prohibition?	268A	<input type="checkbox"/> NI N/A
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NOTE: An alternate treatment standard may be used after approval from the Administrator. (40 CFR 268.44)

NOTE: Hazardous waste debris see 40 CFR 268.7(a)(1)(iv) for the notice requirements which must be followed by the statement "This hazardous debris is subject to alternative treatment standards of 40 CFR 268.45."

21. Generator retain on-site records to support determination from knowledge or results from tests? (40 CFR 268.7(a)(6))	268A	<input checked="" type="checkbox"/> NI N/A
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22. If the restricted waste is excluded from being a hazardous waste or solid waste did the generator place a one- time notice stating same in the facility file? (40 CFR 268.7(a)(7))	268A	<input type="checkbox"/> NI N/A
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23. All notices/certifications/demonstrations/other documents retained for 3 years on-site? (40 CFR 268.7(a)(8))	268A	<input checked="" type="checkbox"/> NI N/A
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NOTE: This requirement (268.7(a)(8)) applies to solid waste even when the hazardous waste characteristic is removed prior to disposal or when the waste is excluded from the definition of hazardous waste or solid waste.

DILUTION PROHIBITED AS SUBSTITUTE FOR TREATMENT (RULE 311(1):40 CFR 268.3)

24. Generator dilute hazardous waste or treatment residue of a hazardous waste to avoid prohibition? (40 CFR: 268.3(a))	268A	<input checked="" type="checkbox"/> NI N/A
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TREATMENT STANDARDS (RULE 311(1):40 CFR 268.40)

25. If wastes exceeding treatment standards are mixed, was the most stringent standards selected? (40 CFR 268.40(c))	268A	<input type="checkbox"/> NI N/A
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BIENNIAL REPORT (Rule 308: 40 CFR 262.41)

26. Generator submitted biennial report by 3/1 (even years)? (Rule 308(1): 40 CFR 262.41)	262D	<input checked="" type="checkbox"/> NI N/A
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27. Were copies of the report retained at least 3 years? (Rule 307(4): 40 CFR 262.40(b))	262D	<input checked="" type="checkbox"/> NI N/A
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PRE-TRANSPORTER REQUIREMENTS (Rule 305: 40 CFR 262.30)

		YES	NO
28. Waste packaged according to DOT regulations (required before shipping waste off-site)? (Rule 305(1)(a): 40 CFR 262.30)	262C	co.said <input checked="" type="checkbox"/> obsrvd <input type="checkbox"/>	NI N/A
29. Are waste packages marked & labeled per DOT 49 CFR 172 concerning hazardous materials (required before shipping waste off-site)? (Rule 305(1)(b)(c): 40 CFR 262.32(a))	262C	co.said <input checked="" type="checkbox"/> obsrvd <input type="checkbox"/>	NI N/A
30. On containers of 119 gallons or less, is there a warning, generator's name, address, site identification number, manifest tracking number & waste code per DOT 49 CFR 172.304? (Rule 305(1)(d): 40 CFR 262.32(b))	262C	co.said <input checked="" type="checkbox"/> obsrvd <input type="checkbox"/>	NI N/A
31. If required (>1000 #s), are placards available to the transporter? (Rule 305(1)(e): 40 CFR 262.33)	262C	<input checked="" type="checkbox"/>	NI N/A

ACCUMULATION TIME (Rule 306: 40 CFR 262.34)

32. If hazardous waste accumulated in containers: (If no, skip to #35)			
a) containers have accumulation date which is clearly visible? (Rule 306(1)(b): 40 CFR 262.34(a)(2))	262C	<input checked="" type="checkbox"/>	NI N/A
b) container have words "Hazardous Waste"? (Rule 306(1)(c): 40 CFR 262.34(a)(3))	262C	<input checked="" type="checkbox"/>	NI N/A
c) is each container clearly marked with the hazardous waste number? (Rule 306(1)(b))	262C	<input checked="" type="checkbox"/>	NI N/A
d) has more than 90 days elapsed since date marked? (Rule 306(1))	262C	<input type="checkbox"/> <input checked="" type="checkbox"/>	NI N/A

OR

e) one of the following apply:			
i) the generator applied for & received an extension to accumulate longer? (Rule 306(3): 40 CFR 262.34(b))	262C	<input type="checkbox"/>	NI N/A
ii) it is F006 waste recycled for metals recovery in compliance with Rule 306 (7) (180 days maximum). Rule 306(7): 40 CFR 262.34(g)	262C	<input type="checkbox"/>	NI N/A
iii) it is F006 waste recycled for metals recovery in compliance with Rule 306(7) which must be transported more than 200 miles (270 days max.)? (Rule 306(8): 40 CFR 262.34(h))	262C	<input type="checkbox"/>	NI N/A
iv) generator applied for & received extension or exception to accumulate F006 haz waste longer than ii or iii above? (Rule 306(9-10): 40 CFR 262.34(i))	262C	<input type="checkbox"/>	NI N/A

The following Subpart I, 265.170 to 265.177 requirements are referred to by Rule 306(1)(a) and 40 CFR 262.34(a)(1).

f) are containers in good condition? (265.171)	262C	<input checked="" type="checkbox"/>	NI N/A
g) are containers compatible with waste in them (265.172)	262C	<input checked="" type="checkbox"/>	NI N/A
h) are containers stored closed? (265.173(a))	262C	<input checked="" type="checkbox"/>	NI N/A
i) containers handled/stored in a way which may rupture it or cause leaks? (265.173(b))	262C	<input type="checkbox"/> <input checked="" type="checkbox"/>	NI N/A
j) ignitable & reactive wastes stored 15 meters (50 feet) from property line or written approval obtained from local fire prevention code authority for less than 15 meter? (265.176)	262C	<input checked="" type="checkbox"/>	NI N/A
k) are containers inspected weekly for leaks and defects? (265.174)	262C	<input checked="" type="checkbox"/>	NI N/A
l) did the generator document the inspections in 32(k)? (Rule 306(1)(a)(i))	262C	<input type="checkbox"/> <input checked="" type="checkbox"/>	NI N/A
m) inspection documents maintained on-site 3 years? (Rule 306(1)(a)(i))	262C	<input checked="" type="checkbox"/>	NI N/A
n) are incompatible wastes stored in separate containers? (265.177(a))	262C	<input checked="" type="checkbox"/>	NI N/A
o) hazardous wastes put in unwashed containers that previously held incompatible waste. (265.177(b))	262C	<input type="checkbox"/> <input checked="" type="checkbox"/>	NI N/A
p) incompatible waste separated/protected from each other by physical barriers or sufficient distance? (265.177(c))	262C	<input type="checkbox"/>	NI N/A

Rule 306(2) & 40 CFR 262.34(c)(1) both refer to 40 CFR 265.171, 265.172 & 265.173(a).

33. If hazardous waste is being accumulated at the point of generation:			
a) container(s) <55 gal or 1 qt acutely/severely toxic? (Rule 306(2): 40 CFR 262.34(c)(1))	262C	<input checked="" type="checkbox"/>	NI N/A
b) container(s) under operator control & near the point of generation? (Rule 306(2): 40 CFR 262.34(c)(1))	262C	<input checked="" type="checkbox"/>	NI N/A
c) container(s) have words "Hazardous Waste"? (Rule 306(2): 40 CFR 262.34(c)(1)(ii))	262C	<input type="checkbox"/> <input checked="" type="checkbox"/>	NI N/A
d) are the container(s) marked with the hazardous waste number or chemical name? (Rule 306(2))	262C	<input type="checkbox"/> <input checked="" type="checkbox"/>	NI N/A
e) are container(s) in good condition? (265.171)	262C	<input checked="" type="checkbox"/>	NI N/A
f) are container(s) compatible with waste in them? (265.172)	262C	<input checked="" type="checkbox"/>	NI N/A
g) container(s) closed when not in use & managed to prevent leaks? (265.173(a))	262C	<input checked="" type="checkbox"/>	NI N/A
34. If generator exceeds 55 gallons or 1 quart, w/in 3 days does generator, w/respect to that amount of excess waste:			
a) mark the container with the date the excess amount began accumulating? (Rule 306(2): 40 CFR 262.34(c)(2))	262C	<input type="checkbox"/>	NI N/A
b) move to an area with secondary containment, if required? (Rule 306(1): 40 CFR 264.175))	262C	<input type="checkbox"/>	NI N/A

Rule 306(1)(a) refers to containment requirements in 40 CFR 264.175.

35. If accumulating free liquids or any F020, F021, F022, F023, F026, F027, does the hazardous waste storage area include			
a) impervious base free of cracks? (264.175(b)(1)) :	262C	<input checked="" type="checkbox"/>	NI N/A

b) sloped or otherwise designed to elevate/protect containers from contact with liquids? (264.175(b)(2))	262C	<input checked="" type="checkbox"/> ___ NI N/A
c) hold 10% of volume of containers or volume of the largest container, whichever is greater? (264.175(b)(3))	262C	<input checked="" type="checkbox"/> ___ NI N/A
d) run-on prevented unless sufficient capacity? (264.175(b)(4))	262C	<input checked="" type="checkbox"/> ___ NI N/A
e) accumulated liquids removed in a timely manner to prevent overflow? (264.175(b)(5))	262C	<input checked="" type="checkbox"/> ___ NI N/A

NOTE: Closure of Accumulation Area covered under # 53.

36. If accumulating solids, (other than F020,F021,F022, F023, F026, F027), is haz waste accumulation area sloped or otherwise designed, or containers elevated or otherwise protected from contact with liquids? (264.175(c)(1 & 2))	262C	<input checked="" type="checkbox"/> ___ NI N/A
37. Is hazardous waste accumulated in other than tanks or containers? Or, is hazardous waste generated but not accumulated, i.e.: process tank? <i>Explain any yes answer.</i>		<input checked="" type="checkbox"/> ___ NI N/A
38. Waste area protected from weather, fire, physical damage & vandals? (Rule 306(1)(e))	262C	<input checked="" type="checkbox"/> ___ NI N/A
39. Hazardous waste accumulated so no hazardous waste or hazardous waste constituent can escape by gravity into soil, directly or indirectly, into surface, ground-waters, drains or sewers, and such that fugitive emissions do not violate Act 451, Part 55? (Rule 306(1)(f))	262C	<input checked="" type="checkbox"/> ___ NI N/A
40. Is hazardous waste accumulated in tanks? <i>If so, complete Tank System inspection form.</i>		<input checked="" type="checkbox"/> ___ NI N/A
41. Is hazardous waste placed on drip pads? <i>If so, complete Wood Preserving inspection form</i>		<input checked="" type="checkbox"/> ___ NI N/A

Rule 306(1)(d) & 40 CFR 262.34(a)(4) refers to 265.16
PERSONNEL TRAINING (265.16)

42. Did personnel receive training? (265.16)	262C	<input checked="" type="checkbox"/> ___ NI N/A
43. Do personnel training records contain the following:		
a) job title? (265.16(d)(1))	262C	<input checked="" type="checkbox"/> ___ NI N/A
b) job descriptions? (265.16(d)(2))	262C	<input checked="" type="checkbox"/> ___ NI N/A
c) name of employee filling each job? (265.16(d)(1))	262C	<input checked="" type="checkbox"/> ___ NI N/A
d) description of type & amount of both introductory & continued training? 265.16(d)(3))	262C	<input checked="" type="checkbox"/> ___ NI N/A
e) training designed so facility personnel can respond to emergencies? (265.16(a)(3))	262C	<input checked="" type="checkbox"/> ___ NI N/A
f) records of training? (265.16(d)(4))	262C	<input type="checkbox"/> ___ NI N/A
g) do new personnel receive required training within 6 months? (265.16(b))	262C	<input checked="" type="checkbox"/> ___ NI N/A
h) do training records show personnel have taken part in annual training? (265.16(c))	262C	<input type="checkbox"/> ___ NI N/A
i) training by person trained in hazardous waste management procedures? (265.16(a))	262C	<input checked="" type="checkbox"/> ___ NI N/A

Rule 306(1)(d) & 40 CFR 262.34(a)(4) refer to 265, Subpart C, 265.30-265.37.
PREPAREDNESS AND PREVENTION (265.30-265.37)

44. Facility maintained/operated to minimize possibility of fire, explosion, release of hazardous waste or hazardous waste constituent which could threaten human health/environment? (265.31)	262C	co.said_obsrvd_ <input checked="" type="checkbox"/> ___ NI N/A
45. If required, does this facility have the following:		
a) internal communications or alarm systems? (265.32(a))	262C	<input checked="" type="checkbox"/> ___ NI N/A
b) telephone or 2-way radios at the scene of operations? (265.32(b))	262C	<input checked="" type="checkbox"/> ___ NI N/A
c) portable fire extinguishers, fire control, spill control equipment and decontamination equipment? (265.32(c))	262C	<input checked="" type="checkbox"/> ___ NI N/A
d) adequate volume of water and/or foam available for fire control? (265.32(d))	262C	<input checked="" type="checkbox"/> ___ NI N/A
46. Testing and Maintenance of Emergency Equipment		
a) owner/operator test & maintain emergency equipment to assure operation? (265.33)	262C	<input checked="" type="checkbox"/> ___ NI N/A
b) has owner/operator provided immediate access to internal alarms? Access to alarm system is applicable only if required (40 CFR 265.32)		
i) when hazardous waste is being poured, mixed, etc. (265.34(a))	262C	<input type="checkbox"/> ___ NI N/A
ii) if only one employee on the premises while facility is operating. (265.34(b))	262C	<input type="checkbox"/> ___ NI N/A
c) aisle space for unobstructed movement of personnel/emergency equipment? (265.35)	262C	<input checked="" type="checkbox"/> ___ NI N/A
47. Has the facility made arrangements with local authorities? (265.37(a)&(b))	262C	<input checked="" type="checkbox"/> ___ NI N/A

Rule 306(1)(d) & 40 CFR 262.34(a)(4) refer to Subpart D, 265.50-265.56.
CONTINGENCY PLAN AND EMERGENCY PROCEDURES (265.50-265.56)

48. Plan implemented whenever fire/explosion/release could threaten human health or the environment? (265.51(b))	262C	<input checked="" type="checkbox"/> ___ NI N/A
49. Does the contingency plan contain the following:		
a) actions personnel must take responding to fires/explosions/unplanned release of hazardous waste? (265.52(a & b))	262C	<input checked="" type="checkbox"/> ___ NI N/A
b) describe arrangements w/ local police, fire, hospitals, contractors, state & local emergency responders for emergency services; (265.52(c)) & (265.37(a)&(b))?	262C	<input checked="" type="checkbox"/> ___ NI N/A

Department of Environmental Quality
UNIVERSAL WASTE SMALL QUANTITY HANDLER
(SQH) INSPECTION

Facility Name ADAC Automotive Part 2 Rules

Date 06/24/15 I.D. # MIR 000046508 1994 PA 451

SQH may choose to manage the following as universal waste when they accumulate quantities of 5000 kg (11,000 lbs) or more of all these wastes on site: antifreeze; batteries [except lead acid batteries managed per R 299.9804]; consumer electronics (devices containing circuit boards, liquid crystal display, or plasma display); electric lamps [fluorescent, high intensity discharge (HID), sodium vapor, mercury vapor, neon, metal halide, incandescent lamps, and cathode ray tubes (CRTs) from computers, televisions, etc.]; mercury items: thermostats, mercury switches, mercury thermometers, waste devices containing only elemental mercury; various pesticides; pharmaceuticals.

Yes/No responses that are outside of the parenthesis are violations.

(NI - Not Inspected N/A - Not Applicable)

PROHIBITIONS (Rule 228(4): 40 CFR 273.11)

YES NO

1. Does SQH dispose of universal waste? (Rule 228(4): 40 CFR 273.11(a))	273.B	<input checked="" type="checkbox"/> NI N/A
2. Does SQH dilute or treat universal waste, except responding to releases or managing certain waste when included below? (Rule 228(4): 40 CFR 273.11(b))	273.B	<input checked="" type="checkbox"/> NI N/A

WASTE MANAGEMENT (Rule 228(4): 40 CFR 273.13, 273.14)

ANTIFREEZE: (Rule 228(4))

QTY HANDLED:

3. Is antifreeze managed in manner to prevent release by containing it in structurally sound packaging that is compatible w/ contents, & kept closed? Are transport vehicles & vessels managed in the same way? (Rule 228(4)(h))	273.B	<input type="checkbox"/> NI N/A
4. Do containers show evidence of leakage, spillage, or damage? If so, are these containers over packed in a container that meets requirements? (Rule 228(4)(h)(ii)(B))	273.B	<input type="checkbox"/> NI N/A
5. If tanks are used to store antifreeze, do they meet requirements in 40 CFR 265 Subpart J except 265.197(c), 265.200, & 265.201? (Rule 228(4) (h) (ii) (C). [USE TANK CHECKLIST])	273.B	<input type="checkbox"/> NI N/A
6. Are containers labeled "UNIVERSAL WASTE ANTIFREEZE" or "WASTE ANTIFREEZE" or "USED ANTIFREEZE"? (Rule 228(4)(h)(iv))	273.B	<input type="checkbox"/> NI N/A
7. If a release occurred, was it immediately cleaned up & properly characterized for disposal? (Rule 228(4)(e)(ii))	273.B	<input type="checkbox"/> NI N/A

BATTERIES: (Rule 228(4) adopts 40 CFR 273 except 273.10 & 273.18(h) requirements)

QTY HANDLED:

8. Are batteries managed in way to prevent releases? (Rule 228(4)(a): 40 CFR 273.13(a))	273.B	<input type="checkbox"/> NI N/A
9. Are batteries that show evidence of leakage, spillage, or damage that could cause leaks put in containers that are kept closed, structurally sound, compatible w/ contents of battery, & lack evidence of leakage, spillage or damage that could cause leakage? (Rule 228(4): 40 CFR 273.13(a)(1))	273.B	<input type="checkbox"/> NI N/A
10. Does the handler do any of the following activities w/ batteries as long as the casings of each battery is not breached & remain intact & closed (except to remove electrolyte): sort by type, mix types in container, discharge to remove electric charge, regenerate, disassemble into individual batteries or cells, remove from consumer products, or remove electrolyte? (Rule 228(4)(a): 40 CFR 273.13(a)(2))	273.B	<input type="checkbox"/> NI N/A
11. If electrolyte is removed or other wastes generated from activities in item 10, has it been determined whether it is hazardous waste? (Rule 228(4)(a): 40 CFR 273.13(a)(3))	273.B	<input type="checkbox"/> NI N/A
a. If electrolyte or other waste is hazardous waste, is it managed in compliance with Parts 260-272 and Part 111? (Rule 228(4)(a): 40 CFR 273.13(a)(3))	273.B	<input type="checkbox"/> NI N/A
b. If electrolyte or other waste is not hazardous waste, is it managed in compliance with Parts 31, 115 or 121 of 451 & local requirements? (Rule 228(4)(a): 40 CFR 273.13(a)(3))	273.B	<input type="checkbox"/> NI N/A
12. Are batteries or container(s) of batteries labeled w/ either: "UNIVERSAL WASTE-BATTERIES" or "WASTE BATTERIES" or "USED BATTERIES". (Rule 228(4)(a): 40 CFR 273.14(a))	273.B	<input type="checkbox"/> NI N/A

CONSUMER ELECTRONICS: (Rule 228(4))

QTY HANDLED:

13. Are electronics managed in a manner that prevents breakage or the release of any universal waste or components of universal waste by containing electronics in packaging that will prevent breakage during normal handling conditions? (Rule 228(4)(f)(i))	273.B	<input type="checkbox"/> NI N/A
14. Is packaging in which the electronics are contained labeled either "UNIVERSAL WASTE CONSUMER ELECTRONICS" or "UNIVERSAL WASTE ELECTRONICS"? (Rule 228(4)(f)(ii))	273.B	<input type="checkbox"/> NI N/A
15. Have releases been properly contained, & have residues been characterized, & properly disposed? (Rule 228(4)(f)(iii))	273.B	<input type="checkbox"/> NI N/A
16. Does handler do anything beyond any of the following: repair electronics for direct reuse(Rule 228(4)(g)(i); remove other univ. wastes from cons. electronics (Rule 228(4)(g)(ii); remove modular components for reuse (Rule 228(4)(g)(iii))	273.B	<input type="checkbox"/> NI N/A

ELECTRIC LAMPS: (Rule 228(4) ; 273.13(c); 273.14(d))**QTY HANDLED:**

17. Are lamps crushed or broken and facility trying to manage as universal waste? (universal waste electric lamps shall not be crushed or broken under MI rule) (Rule 228(4)(c)(i)) <i>Note: different from EPA regulation</i>	273.B	<input checked="" type="checkbox"/> NI N/A
18. Are lamps managed in a manner to prevent breakage or the release of any universal waste or components of universal waste by containing unbroken lamps in structurally sound packaging that is compatible with contents of lamps and will prevent breakage, and packaging kept closed? (Rule 228(4)(c)(ii)) <i>open</i>	273.B	<input type="checkbox"/> <input checked="" type="checkbox"/> NI N/A
19. Are lamps or packaging containing lamps labeled either "UNIVERSAL WASTE ELECTRIC LAMP(S)" or "WASTE ELECTRIC LAMP(S)" or "USED ELECTRIC LAMP(S)". (Rule 228(4)(c)(iv)) <i>Note: different from EPA regulation</i>	273.B	<input checked="" type="checkbox"/> NI N/A
20. Are lamp fragments or residues, & all lamps that show evidence of breakage, leakage, or damage that could cause release of mercury or other hazardous constituents to the environment immediately contained in packaging that is structurally sound & compatible w/ content, & kept closed? (Rule 228(4)(c)(iii)) <i>Note: different from EPA regulation</i>	273.B	<input type="checkbox"/> NI N/A
21. If lamp fragments or residues are generated, has it been determined whether it is hazardous waste? (Rule 228(4)(c)(iii) (B)) <i>Note: different from EPA regulation which allows broken lamps to continue to be managed as universal waste</i>	273.B	<input type="checkbox"/> NI N/A
a. If waste is characteristic is it managed in compliance w/ Part 111, Act 451: 40 CFR Part 260-272?	273.B	<input type="checkbox"/> NI N/A
b. If waste is not characteristic is it managed in compliance w/ Part 115 of Act 451?	273.B	<input type="checkbox"/> NI N/A

MERCURY DEVICES: (Rule 228(4) ; 40 CFR 273.13 & 273.14)**QTY HANDLED:**

22. Are devices managed to prevent releases? (Rule 228 (4)(d): 40 CFR 273.13(c))	273.B	<input type="checkbox"/> NI N/A
23. Are mercury devices that show evidence of leakage, spillage, or damage that could cause leaks placed in a container that is closed, structurally sound, compatible w/ contents of device, & lack evidence of leakage, spillage or damage that could cause leakage, & designed to prevent the escape of mercury by volatilization or other means? (Rule 228 (4)(d): 40 CFR 273.13(c)(1))	273.B	<input type="checkbox"/> NI N/A
24. Are mercury devices or containers of mercury devices labeled either "UNIVERSAL WASTE THERMOSTAT(S)" or "WASTE MERCURY THERMOSTAT(S)" or "USED MERCURY THERMOSTAT(S)". (Rule 228 (4)(d): 40 CFR 273.14(d))	273.B	<input type="checkbox"/> NI N/A
25. Does handler removing ampules meet the following conditions?		
a. Does facility try to prevent breakage and is doing removal only over a containment device? (Rule 228 (4)(d): 40 CFR 273.13(c)(2)(i & ii))	273.B	<input type="checkbox"/> NI N/A
b. Does facility have a clean-up system available to transfer spilled material to another container & use it immediately w/ broken or leaking ampules? (Rule 228 (4)(d): 40 CFR 273.13(c)(2)(iii & iv))	273.B	<input type="checkbox"/> NI N/A
c. Is facility area well ventilated & monitored to ensure compliance w/ OSHA exposure limits? (Rule 228 (4)(d): 40 CFR 273.13(c)(2) (v))	273.B	<input type="checkbox"/> NI N/A
d. Does facility have employees familiar w/ proper waste handling & emergency procedures? (Rule 228 (4)(d): 40 CFR 273.13(c)(2)(vi))	273.B	<input type="checkbox"/> NI N/A
e. Are removed ampules stored in closed, non-leaking container that is in good condition? (Rule 228 (4)(d): 40 CFR 273.13(c)(2)(vii))	273.B	<input type="checkbox"/> NI N/A
f. Are removed ampules packed in container with packing material to prevent breakage? (Rule 228 (4)(d): 40 CFR 273.13(c)(2)(viii))	273.B	<input type="checkbox"/> NI N/A
26. When devices do not contain ampules & handler removes original housings that hold mercury, does handler immediately seal original housing to prevent mercury release & follow all ampule management requirements? (Rule 228 (4)(d): 40 CFR 273.13(c)(3))	273.B	<input type="checkbox"/> NI N/A
27. If waste is generated from removal of ampules or housings, or if clean-up residues are generated, is it determined if it is hazardous waste? (Rule 228 (4)(d): 40 CFR 273.13(c)(3)(i)(A&B), 273.13(c)(4)(i))	273.B	<input type="checkbox"/> NI N/A
a. If waste is characteristic, is it managed in compliance w/ part 260-272 and Part 111? (Rule 228 (4)(d): 40 CFR 273.13(c)(4)(ii))	273.B	<input type="checkbox"/> NI N/A
b. If waste is not hazardous waste, is it managed in compliance w/ Parts 115 & 121 of Act 451, as applicable? Rule 228 (4)(d): 40 CFR 273.13(c)(4)(iii))	273.B	<input type="checkbox"/> NI N/A

PESTICIDES: Rule 228(4) adopts 40 CFR 273 except 273.10 & 273.18(h)**QTY HANDLED:**

28. Handler prevents releases by containing pesticides in containers that are closed, structurally sound & compatible w/ pesticide, & does not show evidence of leakage, spillage or damage? (Rule 228(4)(a): 40 CFR 273.13(b)(1))	273.B	<input type="checkbox"/> NI N/A
29. If original container is in poor condition, is it over-packed in acceptable container? (Rule 228(4)(a): 40 CFR 273.13(b)(2))	273.B	<input type="checkbox"/> NI N/A
30. If stored in tank, are requirements of 40 CFR Part 265, Subpart J met except 265.197(c), 265.200, & 265.201? [USE TANK CHECKLIST] (Rule 228(4)(a): 40 CFR 273.13(b)(3))	273.B	<input type="checkbox"/> NI N/A
31. If stored in transport vehicle or vessel, is it closed, structurally sound & compatible w/ pesticides & shows no evidence of leakage, spillage or damage?? (Rule 228(4)(a): 40 CFR 273.13(b)(4))	273.B	<input type="checkbox"/> NI N/A
32. Are pesticides in a container, tank or transport vehicle labeled either "UNIVERSAL WASTE-PESTICIDE(s)" or "WASTE-PESTICIDE(s)" (Rule 228(4)(a): 40 CFR 273.14(b) [See 273.14(c) if 273.14(b) not possible]	273.B	<input type="checkbox"/> NI N/A

PHARMACEUTICALS: (Rule 228(4))**QTY HANDLED:**

33. Are pharmaceuticals managed in a manner to prevent release of any universal waste or components of universal waste by containing pharmaceuticals in structurally sound packaging that is compatible w/ contents & will prevent breakage, & kept closed? Are containers that do not meet these conditions over packed in a container that does? (Rule 228(4)(e)(i))	273.B	<input type="checkbox"/> NI N/A
34. Does handler disassemble packaging & sort pharmaceuticals? (Rule 228(4)(e)(iii))	273.B	<input type="checkbox"/> NI N/A

35. Are incompatible pharmaceuticals segregated & adequate distance maintained to prevent contact w/ incompatible materials? (Rule 228(4)(e)(iv))	273.B	<input type="checkbox"/> <u>NI</u> <u>N/A</u>
36. If a release occurred, was it immediately cleaned up and properly characterized for disposal? (Rule 228(4)(e)(iii))?	273.B	<input type="checkbox"/> <u>NI</u> <u>N/A</u>

ACCUMULATION TIME LIMITS (Rule 228(4): 40 CFR 273.15)

37. Is universal waste accumulated one year or less? (Rule 228(4)(a): 40 CFR 273.15(a)) (if no go to question 38)	273.B	<input checked="" type="checkbox"/> <u>NI</u> <u>N/A</u>
38. If accumulated over one year, is accumulation necessary to facilitate proper recovery, treatment or disposal? (burden on handler to demonstrate) (Rule 228(4)(a): 40 CFR 273.15(b))	273.B	<input type="checkbox"/> <u>NI</u> <u>N/A</u>
39. Is length of time universal wastes stored documented by one of the following:		
a. container marked or labeled w/ earliest date when universal waste became a waste? (Rule 228(4)(a): 40 CFR 273.15(c)(1))	273.B	<input type="checkbox"/> <u>NI</u> <u>N/A</u>
b. individual items of universal waste marked or labeled w/ earliest date it became a waste?? (Rule 228(4)(a): 40 CFR: 273.15(c)(2))	273.B	<input type="checkbox"/> <u>NI</u> <u>N/A</u>
c. inventory system maintained on-site that identifies date each item became a universal waste? (Rule 228(4)(a): 40 CFR 273.15(c)(3))	273.B	<input type="checkbox"/> <u>NI</u> <u>N/A</u>
d. inventory system maintained on-site that identifies earliest date items in a group or group of containers became a universal waste? (Rule 228(4)(a): 40 CFR (273.15(c)(4))	273.B	<input type="checkbox"/> <u>NI</u> <u>N/A</u>
e. universal waste placed in a specific accumulation area & the earliest date is identified when waste was first put in area or date received? (Rule 228(4)(a): 40 CFR (273.15(c)(5))	273.B	<input type="checkbox"/> <u>NI</u> <u>N/A</u>
f. any other method when demonstrates length of time universal waste accumulated & date it became a waste or received? (Rule 228(4)(a): 40 CFR (273.15(c)(6))	273.B	<input checked="" type="checkbox"/> <u>NI</u> <u>N/A</u>

EMPLOYEE TRAINING (Rule 228(4): 40 CFR 273.16)

40. Are employees familiar w/ universal waste handling/emergency procedures, relative to their responsibilities? (Rule 228(4): 40 CFR 273.16))	273.B	<input checked="" type="checkbox"/> <u>NI</u> <u>N/A</u>
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RESPONSE TO RELEASE (Rule 228(4): 40 CFR 273.17)

41. Are releases of universal waste & other residue immediately contained? (Rule 228(4): 40 CFR 273.17(a))	273.B	<input type="checkbox"/> <u>NI</u> <u>N/A</u>
42. Is material from release characterized? (Rule 228(4): 40 CFR 273.17(b))	273.B	<input type="checkbox"/> <u>NI</u> <u>N/A</u>
43. If released material is hazardous waste is it managed as required under Parts 260 – 271 and Part 111? (Rule 228(4): 40 CFR 273.17(b))	273.B	<input type="checkbox"/> <u>NI</u> <u>N/A</u>

OFF-SITE SHIPMENTS (Rule 228(4): 40 CFR 273.18)

44. Is waste sent to another handler, destination facility or foreign destination? (Rule 228(4)(a): 273.18(a))	273.B	<input checked="" type="checkbox"/> <u>NI</u> <u>N/A</u>
45. If the SQH self-transport waste, does it comply with the universal waste transporter requirements? (Rule 228(4)(b))	273.B	<input type="checkbox"/> <u>NI</u> <u>N/A</u>
46. If waste is a USDOT hazardous material, are USDOT requirements met w/regard to package/labels/ marking/placards/shipping papers? (Rule 228(4)(a): 273.18(c))	273.B	<input checked="" type="checkbox"/> <u>NI</u> <u>N/A</u>
47. Prior to shipping universal waste off-site did receiver agree to receive shipment? (Rule 228(4)(a): 40CFR 273.18(d))	273.B	<input checked="" type="checkbox"/> <u>NI</u> <u>N/A</u>
48. If universal waste shipped off-site is rejected by other handler or destination facility, did originating handler either:		
a. receive the waste back? (Rule 228(4)(a): 40 CFR 273.18(e)(1))	273.B	<input type="checkbox"/> <u>NI</u> <u>N/A</u>
b. agree to where shipment will be sent? (Rule 228(4)(a): 40 CFR 273.18(e)(2))	273.B	<input type="checkbox"/> <u>NI</u> <u>N/A</u>
49. If handler rejects part or full load from another handler, did receiving handler contact originating handler & discuss either:		
a. sending the waste back to originating handler? : (Rule 228(4)(a): 40 CFR 273.18(f)(1)) OR	273.B	<input type="checkbox"/> <u>NI</u> <u>N/A</u>
b. agreeing to where shipment will be sent? (Rule 228(4)(a): 40 CFR 273.18(f)(2))	273.B	<input type="checkbox"/> <u>NI</u> <u>N/A</u>
50. If handler received shipment of hazardous waste that is not universal waste, was the WHMD District Supervisor or designee immediately notified? (Rule 228(4)(a): 40 CFR 273.18(g))	273.B	<input type="checkbox"/> <u>NI</u> <u>N/A</u>
51. If handler received a shipment of non-hazardous, non-universal waste, was the waste managed in accordance w/ applicable waste regulations (e.g. solid, liquid industrial, or medical waste)? (Rule 228(4)(a): 40 CFR 273.18(h))	273.B	<input type="checkbox"/> <u>NI</u> <u>N/A</u>

EXPORTS (Rule 228(4): 40 CFR 273.20)

52. If waste is sent to a foreign destination does handler:		
a. comply with primary exporter requirements in 40 CFR 262.53, 262.56(a)(1-4 & 6) and(b) and 262.57? (Rule 228(4): 40 CFR 273.20(a))	273.B	<input type="checkbox"/> <u>NI</u> <u>N/A</u>
b. export with consent of receiving country and in compliance with Acknowledgment of Consent, Subpart E, 40 CFR 262? (Rule 228(4): 40 CFR 273.20(b))	273.B	<input type="checkbox"/> <u>NI</u> <u>N/A</u>
c. provide copy of EPA Acknowledgement of Consent to transporter? (Rule 228(4): 40 CFR 273.20(c))	273.B	<input type="checkbox"/> <u>NI</u> <u>N/A</u>

TRANSPORTER (Rule 228(6): 40 CFR 273 subpart D except 273.50, 53)

53. Does transporter dispose of universal waste? (Rule 228(6): 40 CFR 273.51(a))	273.D	___ [] NI N/A
54. Does transporter dilute or treat universal waste, except if responding to releases? (Rule 228(6): 40 CFR 273.51(b))	273.D	___ [] NI N/A
55. If transporting responds to release, do they immediately contain it and characterize residue? If hazardous waste, does transporter meet requirements in 40 CFR 262? (Rule 228(6): 40 CFR 273.54))	273.D	[] ___ NI N/A
56. If universal waste stored at transfer facility over 10 days, does transporter meet applicable handler requirements? (Rule 228(6): 40 CFR 273.54))	273.D	[] ___ NI N/A
57. Does transporter comply w/ USDOT requirements for package/labels/markings/placards/shipping papers if universal waste is also hazardous material? Shipping papers cannot describe universal waste as "hazardous waste, (f) or (s), n.o.s." nor have waste added to USDOT proper shipping name. (Rule 228(6)(a): 40 CFR 273.52 and 273.55(b))	273.D	[] ___ NI N/A
58. Does transporter meet export conditions contained in 273.56 (dependent on which country will receive shipment)? (Rule 228(6): 40 CFR 273.56)	273.D	[] ___ NI N/A
a. has a copy of EPA Acknowledgement of Consent with shipment? (Rule 228(6): 40 CFR 273.56(a))	273.D	[] ___ NI N/A
b. delivers shipment to facility designated by person initiating the shipment? (Rule 228(6): 40 CFR 273.56(b))	273.D	[] ___ NI N/A

COMMENTS:

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

Inspection Checklist for Subpart CC: Air Emission Standards (Containers)

Item # 40 CFR:

CC-1	265.1080	Do any of the following exclusions apply? If yes, please circle.	YES	NO
<p>Applicability: The air emission requirements apply to units subject to subpart I * unless the following apply (circle if applicable):</p> <ol style="list-style-type: none"> 1. Waste was placed in unit prior to Oct. 6, 1996, and none has been added since. 2. The container capacity is less than .1 cubic meter (26 gallons) 3. A unit (e.g. tank) has stopped adding waste and is undergoing closure 4. The unit is used solely for onsite treatment or storage as a result of remedial activities required under corrective action, Superfund, or other similar state program 5. The unit is used solely to manage radioactive mixed waste 6. The unit is regulated by and operates in accordance with Clean Air Act regulations <p>*Note: 1. Satellite containers are exempt 2. CESQG's and SQG's are exempt</p>				
CC-2	265.1083	Do any of the following exemptions apply? If yes, please circle	YES	NO
<p>General Standards: The owner/operator must control air emissions from waste management units except the unit is exempt if (please circle if applicable):</p> <ol style="list-style-type: none"> 1. All hazardous waste entering the unit has an average VO concentration at the point of origination less than 500 parts per million by weight (waste determination required) 2. The organic content of all waste entering the unit has been reduced by one of the 8 acceptable destruction or removal processes. 3. The unit is a tank used for certain biological treatment 4. The hazardous waste placed in the unit meets the LDR numerical concentration limits or has been treated using the specified LDR treatment technology (for organics) 5. The unit is a tank used for bulk feed to an incinerator and meets certain requirements 				
CC-3	265.1084	Waste Determination:	Determination Not Needed	Determination Needed
<p>Was the VO concentration properly determined for each waste which the facility manages in a unit which does not meet Subpart CC requirements? The concentration must be determined by either direct measurement or knowledge. Please see 265.1084 for specific requirements for measurement and knowledge. Determination is <u>not</u> needed for waste managed in containers which meet standards. It may be necessary to evaluate container management prior to requiring VO concentration determination.</p>				

#	NA=Not Applicable, NI=Not Inspected, OK= In Compliance, DF= Deficiency		NA	NI	OK	DF
CONTAINER MANAGEMENT 265.1087						
	Level 1	Level 2	Level 3			
	Larger than 26.4 gallons and less than or equal to 122 gallons, or larger than 122 gallons and do not manage H.W. in light material service	Larger than 122 gallons and manage H.W. "in light material service" (definition at 265.1081)	Larger than 26.4 gallons and treat H.W. by a stabilization process			
CC-4	265.1087	Controls	NA	NI	OK	DF
One of the following: -Use containers that meet DOT requirements -Use a cover and control with no visible gaps, holes or other open spaces into the interior of the container -Use organic vapor suppression on or above the container 265.1087(c)		One of the following: -Use containers that meet DOT requirements -Use containers that operate with no detectable emissions (method 21) -Use containers that are demonstrated to be vapor-tight within the last 12 months (method 27) 265.1087(d)	-Containers used to stabilize H.W. with volatile organics greater than 500 ppm -For waste stabilized in a container either: 1.container must be vented directly to a control device; or 2.container is vented inside an enclosure which is exhausted through a closed vent to a control device -Conservation vents are not allowed 265.1087(b)(2)			

Level 1			Level 2		Level 3			
#	NA=Not Applicable, NI=Not Inspected, OK= In Compliance, DF= Deficiency				NA	NI	OK	DF
CC -5	265.1087	Waste transfer requirements						
No waste transfer requirements apply		-Waste transfer requirements apply regardless of container alternative used in level 2 -Transfer waste into or out of a container in such a manner as to minimize exposure of the waste to the atmosphere. Acceptable methods include a submerged fill pipe, vapor recovery system, or fitted opening with a line purge 265.1087(b)(3)			Not applicable			
CC-6	265.1087	Operating requirements			NA	NI	OK	DF
The covers, openings, and closure devices should be closed except: 1. When transferring H.W. in and out of the containers 2. between batch transfer not exceeding 15 minutes between transfer (note: if the person performing the transfer leaves the area, or the process shuts down, the container must be closed) 3. While performing sampling and equipment access 4. Conservation and safety vents are allowed -Containers may be open while performing sampling or equipment access -Safety valves and conservation vents may be used if normally left in close position -A cover need not to be on a RCRA empty container, as defined in 40 CFR 261.7 265.1087(c)(3), (d)(3)					-If the vapors are directly vented to a control device, there are specific design and operating criteria that must be met same as tanks that have closed vent and control device systems -If an enclosure is used, the enclosure must meet the design and operating criteria specified in "Procedure T-Criteria for and Verification of a Permanent or Temporary Total Enclosure" under 40 CFR 52.741 The container, enclosure, control device or closed vent system may have safety relief devices.			
CC-7	265.1089	Inspection requirements			NA	NI	OK	DF
Minimal inspection required: - when facility accepts container and it is not emptied within 24 hours -if wastes are stored greater than a year, then visually inspect once a year If inspections are required, facility must develop written plan and schedule to perform inspection 265.1087(c)(4), (d)(4)					Inspection requirements are the same as for tanks			
CC- 8	265.1087	Repair requirements			NA	NI	OK	DF
When a defect is detected; attempt to repair within 24 hours must be made and: 1. Repair within 5 calendar days or empty and remove the container from service 2. Do not use until defect is repaired 265.1087(c)(4), (d)(4)					Necessary corrective measures shall be <u>immediately</u> implemented to ensure that the control device is operated in compliance			
CC- 9	265.1090	Recordkeeping requirements			NA	NI	OK	DF
-If container exceeds 122 gallons and does not meet DOT standards, records indicating that the container is not managing H.W. in light material service		Since Level 2 waste is "in light material service", no records need to be kept			Depends upon how the organic emissions are vented: -If an enclosure is used, records must be maintained for the most recent set of calculations and measurements performed to verify that the enclosure meets the criteria of a permanent total enclosure (Procedure T) -Records for the closed vent and control device system are the same for those used on tanks(265.1090)(e)			